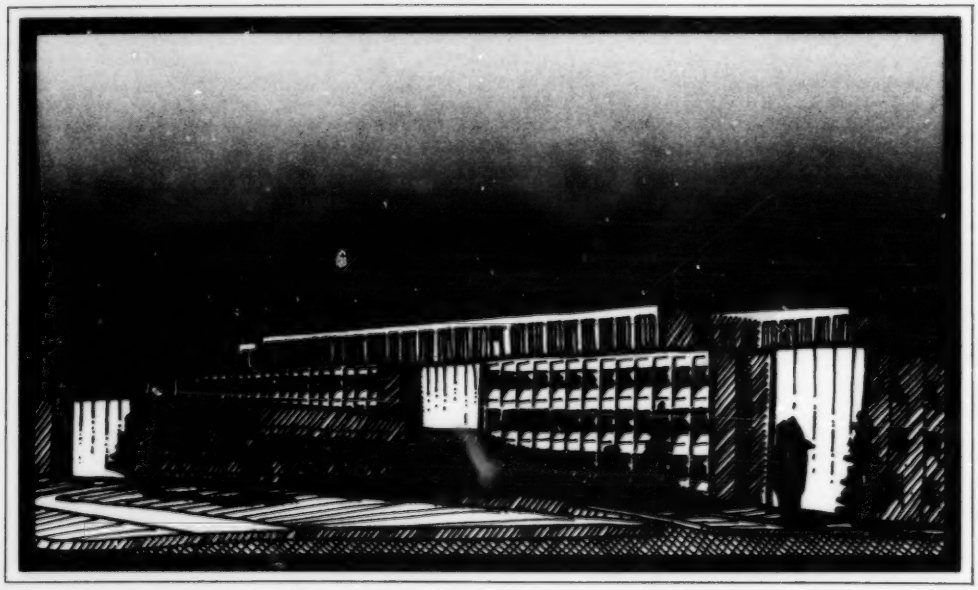
Northern Forestry Centre publications, 1987–90

D.A. Leroy

Northwest Region • Information Report NOR-X-321



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Forestry Canada's Northwest Region is responsible for fulfilling the federal role in forestry research, regional development, and technical transfer in Alberta, Saskatchewan, Manitoba, and the Northwest Territories. The main objectives are research and regional development in support of improved forest management for the economic, social, and environmental benefit of all Canadians. The Northwest Region also has responsibilty for the implementation of federal-provincial forestry agreements within its three provinces and territory.

Regional activities are directed from the Northern Forestry Centre in Edmonton, Alberta, and there are district offices in Prince Albert, Saskatchewan, and Winnipeg, Manitoba. The Northwest Region is one of six regions and two national forestry institutes of Forestry Canada, which has its headquarters in Ottawa, Ontario.

Forêts Canada, région du Nord-Ouest, représente le gouvernement fédéral en Alberta, en Saskatchewan, au Manitoba et dans les Territoires du Nord-Ouest en ce qui a trait aux recherches forestières, à l'aménagement du territoire et au transfert de technologie. Cet orgranisme s'intéresse surtout à la recherche et à l'aménagement du territoire en vue d'améloirer l'aménagement forestier afin que tous les Canadiens puissent en profiter aux points de vue économique, social et environnemental. Le bureau de la région du Nord-Ouest est également responsable de la mise en ouevre des ententes forestières fédérales-provinciales au sein de ces trois provinces et du territoire concerné.

Les activités régionales sont gérées à partir du Centre de foresterie du Nord dont le bureau est à Edmonton (Alberta); on trouve également des bureaux de district à Prince Albert (Saskatchewan) et à Winnipeg (Manitoba). La région du Nord-Ouest correspond à l'une des six régions de forêts Canada, dont le bureau principal est à Ottawa (Ontario). Elle représente également deux des institutes nationaux de foresterie de ce Ministère.

NORTHERN FORESTRY CENTRE PUBLICATIONS, 1987-90

D.A. Leroy

INFORMATION REPORT NOR-X-321

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ABSTRACT

Scientific, technical, and interpretive publications written by staff of the Northern Forestry Centre during 1987-90 are listed alphabetically by author. A subject index is provided for the main entries. In addition there is an appendix listing reports prepared under the federal-provincial forestry development agreements for Alberta, Saskatchewan, and Manitoba.

RÉSUMÉ

Ce document énumère alphabétiquement (par auteur) les publications scientifiques et techniques ainsi que les ouvrages de vulgarisation qui ont été rédigés par le personnel du Centre de foresterie du Nord ou publiés par le Centre entre 1987 et 1990. Un index des sujets est présenté pour les notices principales. on y trouve également à l'annexe une liste des rapports préparés dans le cadre des ententes fédérales-provinciales sur la mise en valeur des ressources forestières signées avec l'Alberta, la Saskatchewan et le Manitoba.

PREFACE

The Northern Forestry Centre has produced a wealth of forest research literature since it opened in 1970. Earlier general bibliographies cover research from the former Manitoba-Saskatchewan region prior to 1968 (Hildahl et al. 1968) and for the prairie provinces and Northwest Territories from 1968 to 1979 (Dendwick et al. 1980), and from 1980 to 1986 (Samoil and Turtle 1988). This newest bibliography lists nearly 300 publications by staff of the Northern Forestry Centre that were published during 1987-90.

Listed alphabetically by author are Information Reports, Forestry Reports, Forest Management Notes, and Program Reviews—all published by the Northern Forestry Centre—plus journal and symposium articles and miscellaneous publications. A subject index provides a convenient means of locating authors by topic. In addition, there is an appendix listing reports that were prepared under the Canada-Alberta Forest Resource Development Agreement, Canada-Saskatchewan Forest Resource Development Agreement, and Canada-Manitoba Forest Renewal Agreement.

This bibliography is intended to be an aid to research and should not be considered a catalogue for ordering. Although many of the Northern Forestry Centre publications that are more than a few years old are already out of print, photocopies will be provided when feasible. Limited copies of material produced by other publishers are available from the Northern Forestry Centre, but whenever possible these publications should be obtained from their publisher or a library.

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NOTE

The exclusion of certain manufactured products does not necessarily imply disapproval nor does the mention of other products necessarily imply endorsement by Forestry Canada.

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APPENDIX I
FORESTRY DEVELOPMENT AGREEMENT REPORTS

The following reports were prepared by private contractors or by staff of the Northern Forestry Centre and its district offices in Prince Albert, Saskatchewan, and Winnipeg, Manitoba, from funds provided by the three federal-provincial forestry development agreements which were in effect for the period 1984-89. The Canada-Alberta Forest Resource Development Agreement, at $23 million, was administered by the Canadian Forestry Service (now Forestry Canada) and Alberta Forestry, Lands and Wildlife. The Canada-Saskatchewan Forest Resource Development Agreement, at $28 million, was between the Canadian Forestry Service and Saskatchewan Parks, Recreation and Culture. The Canada-Manitoba Forest Renewal Agreement, at $27.2 million, was administered by the Canadian Forestry Service and Manitoba Natural Resources.

Alberta

The following reports prepared under the Canada-Alberta Forest Resource Development Agreement may be obtained from:

Regional Development
Forestry Canada
Northwest Region
Northern Forestry Centre
5320 - 122 Street
Edmonton, Alberta T6H 3S5
(403) 435-7282

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Manitoba

The following reports prepared under the Canada-Manitoba Forest Renewal Agreement may be obtained from:

Manitoba District Office
Forestry Canada
200, 180 Main Street
Winnipeg, Manitoba R3C 1A6
(204) 983-8792

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Nanka, A.M., compiler. 1990. Workshop on rearing conifers in containers for tree improvement, January 1988.

Steele, T.W.; Williamson, T.B. 1987. Manitoba's forest industry - 1985.

Walker, N.R. 1987. Barrel and chain scarification promotes successful jack pine regeneration in southeastern Manitoba. For. Manage. Demonstr. Note 6.

Walker, N.R. 1987. Elk and moose browsing prevents the growth of a new trembling aspen/balsam poplar forest. For. Manage. Demonstr. Note 2.

Walker, N.R. 1987. Naturally regenerated jack pine has improved stem form. For. Manage. Demonstr. Note 5.

Walker, N.R. 1987. Post-burn interval does not enhance direct seeding or planting survival of jack pine. For. Mange. Demonstr. Note 4.

Walker, N.R. 1987. Regular spacing increases merchantable volume in white spruce. For. Manage. Demonstr. Note 7.

Walker, N.R. 1988. Effects of hare browsing, competition, and drought on some 1920 and 1922 planting trials of pine and spruce. For. Manage. Demonstr. Note 11.

Walker, N.R. 1988. Experimental seeding in 1920 produces overstocked stands of white spruce; jack pine destroyed by hares. For. Manage. Demonstr. Note 8.

Walker, N.R. 1988. Scarification in 1966 produces densely stocked areas of natural white spruce. For. Manage. Demonstr. Note 10.

Walker, N.R. 1990. Planting conifers in the Spruce Woods, 1904-1979. For. Manage. Demonstr. Note 14.

Walker, N.R.; Cataldo, N.M. 1989. Development of scots pine in west-central Manitoba. For. Manage. Demonstr. Note 13.

Walker, N.R.; Witt, D.R. 1987. White spruce sawlogs produced 68 years after planting. For. Manage. Demonstr. Note 3.

Walker, N.R.; Witt, D.R. 1987. White spruce transplant stock grading increases yields, 59 years after planting. For. Manage. Demonstr. Note 1.

Saskatchewan

The following reports prepared under the Canada-Saskatchewan Forest Resource Development Agreement may be obtained from:

Saskatchewan District Office
Forestry Canada
3rd Floor, 1288 Central Avenue
Prince Albert, Saskatchewan S6V 4V8
(306) 953-8649

Loseth, P.; Dye, D.; Sutton, B. 1990. Site index estimation from environmental factors in Saskatchewan.

Saskatchewan Council of Independent Forest Industries. 1988. A directory of secondary wood-using industries in Saskatchewan, 1988.

Saskatchewan Parks, Recreation and Culture; Canadian Forestry Service. 1987. Forest industry development. Brochure.

Saskatchewan Parks, Recreation and Culture; Canadian Forestry Service. 1987. Forest protection. Brochure.

Saskatchewan Parks, Recreation and Culture; Canadian Forestry Service. 1987. Forest research. Brochure.

Saskatchewan Parks, Recreation and Culture; Canadian Forestry Service. 1987. Forever forests. Brochure.

Saskatchewan Parks, Recreation and Culture; Canadian Forestry Service. 1987. Fuelwood. Brochure.

Saskatchewan Parks, Recreation and Culture; Canadian Forestry Service. 1987. Technology in the forest. Brochure.

Saskatchewan Parks, Recreation and Culture; Canadian Forestry Service. 1987. Timber management. Brochure.

SUBJECT INDEX

The subject index on the following pages lists alphabetically the main topics of research at the Northern Forestry Centre during 1987-90. Many of these topics are further broken down into more-specific categories. Within each topic or category are listed alphabetically the appropriate author and year citations, most of which appear more than once. The topics and categories are as follows:

Aspen and poplar
Biomass and ENFOR (ENergy from the FORest)
Biophysical Classification
  Land Classification and Use
  Soils
Black Spruce
Climate
Diseases
Economics
Fire
  Ecology and Behavior
  Forecasting and Detecting
  Management
  Prescribed Burning
  Supression
Forest Industry and Products
Forest Inventory
Growth and Yield
  Beneficial Agents
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  Models
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Insects
Jack Pine
Lodgepole Pine
Northern Forestry Centre Program
Nurseries
Regeneration
  Artificial
  Natural
Remote Sensing
Site Preparation
Toxic Substances
  Air
  Soil, Water, Plants
Vegetation Management
Watersheds and Hydrology
White Spruce

Please note that the reports prepared under the three forestry development agreements (listed in Appendix I) are not included in this index.

ASPEN AND POPLAR
(*Populus tremuloides* Michx. and *P. balsamifera* L.)

Alexander and Sando 1989
Brace and Bella 1988
Corns 1988b, 1989a
De Franceschi and Bell 1990
Feng, Feng, and Sidhu 1989
Feng and Sidhu 1989
Feng, Sidhu, Feng, and Servant 1989
Grewal 1988
Grewal, Apps, and MacIsaac 1989, 1990
Hiratsuka, Gibbard, Bakowsky, and Maier 1990
Navratil and Bella 1989
Navratil, Bella, and Peterson 1990
Ondro 1989
Ondro and Bella 1988
Peterson and Apps 1990
Prasad and Feng 1990
Samoil 1988
Sando and Alexander 1990
Singh 1989
Volney 1988b
Yang 1989

BIOMASS AND ENFOR
(ENergy from the FORest)

Delisle and Woodard 1988
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Grewal 1988
Grewal, Apps, and MacIsaac 1989, 1990
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Kimmins, Caza, Messier, Karakatsoulis, Scoullar, and Apps 1990
Kimmins, Kurz, Scoullar, Apps, and Comeau 1990
Kimmins, Scoullar, and Apps 1990
Kimmins, Scoullar, Apps, and Kurz 1990
Kimmins, Scoullar, Apps, Kurz, and Comeau 1990
Kimmins, Scoullar, Comeau, Kurz, Apps, and Chatarpaul 1988
Moore and Chow 1987
Ondro 1989
Peterson and Apps 1990

Reid, Collins, Silviba, and De Franceschi 1990
Sachs, Kimmins, and Apps 1990
Singh, 1987a-c, 1988b
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Woodard and Delisle 1987

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Brace and Bella 1988
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Schunke and Zoltai 1988
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Zoltai and Johnson 1988
Zoltai, Tarnocai, Mills, and Veldhuis 1988
Zoltai, Taylor, Jeglum, Mills, and Johnson 1988
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Ali, Zoltai, and Radford 1988
Baker 1987
Blenis, Mugala, and Hiratsuka 1989
Corns 1988a, b, 1989b
Feng 1987
Feng and Navratil 1990
Feng, Sidhu, Feng, and Servant 1989
Feng and Thompson 1989, 1990
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Kalra, Maynard, and Radford 1989
Maynard, Kalra, and Radford 1987
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Roy, Konar, Charles, Feng, Prasad, and Campbell 1989
Samoil 1988
Schunke and Zoltai 1988
Zoltai 1989
Zoltai and Johnson 1988
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BLACK SPRUCE
(*Picea mariana* [Mill.] B.S.P.)

Alexander and Lanoville 1989
Chrosciewicz 1990a

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Swanson 1988b, 1989
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Wheaton and Singh 1988
Wheaton, Singh, Dempster, Higginbotham, Thorpe, Van Kooten, and Taylor 1987
Zoltai 1988b
Zoltai and Vitt 1990

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Allen, Blenis, and Hiratsuka 1988, 1990a, b
Bella and Navratil 1987, 1988
Blenis, Hiratsuka, and Mallett 1987
Blenis, Mugala, and Hiratsuka 1989
Cerezke and Emond 1989
Chang, Blenis, and Hiratsuka 1989
Emond and Cerezke 1989, 1990
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Hopkin, Reid, Hiratsuka, and Allen 1988
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Mallett, Hopkin, and Blenis 1989
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Alexander 1988
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Ogilvie and Young 1989
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Alexander and Bisgrove 1990
Alexander and Lanoville 1987
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Suppression

Lee 1990
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Bohning 1987a, b
Brace 1990
De Franceschi and Bell 1990
Heit and Bohning 1988
Samoil 1987, 1988
Samoil and Boughton 1987
Steele, Boylen, and Baumgartner 1988
Steele and Williamson 1989

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Brace and Bella 1988
Dams, Hall, and Ahern 1990
Hall, Kruger, Scheffer, Titus, and Moore 1989
Hall, Morton, and Nesby 1989
Kuhnke 1989a-c
Moore and Chow 1987
Moore and Polzin 1990
Samoil 1988

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Chakravarty and Sidhu 1987a, b
Navratil 1988

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Baker 1987
Edwards 1987, 1989a, b, d
Hillman 1989

Ondro and Constantino 1990
Yang, Wang, and Micko 1988

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JACK PINE
(*Pinus banksiana* Lamb.)

Alexander and De Groot 1988
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Edwards 1987
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Khan and Malhotra 1987
Klein 1989, 1990
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Zoltai, Tarnocai, Mills, and Veldhuis 1988
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WHITE SPRUCE
(*Picea glauca* [Moench] Voss)

Ball 1990
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Volney 1988b
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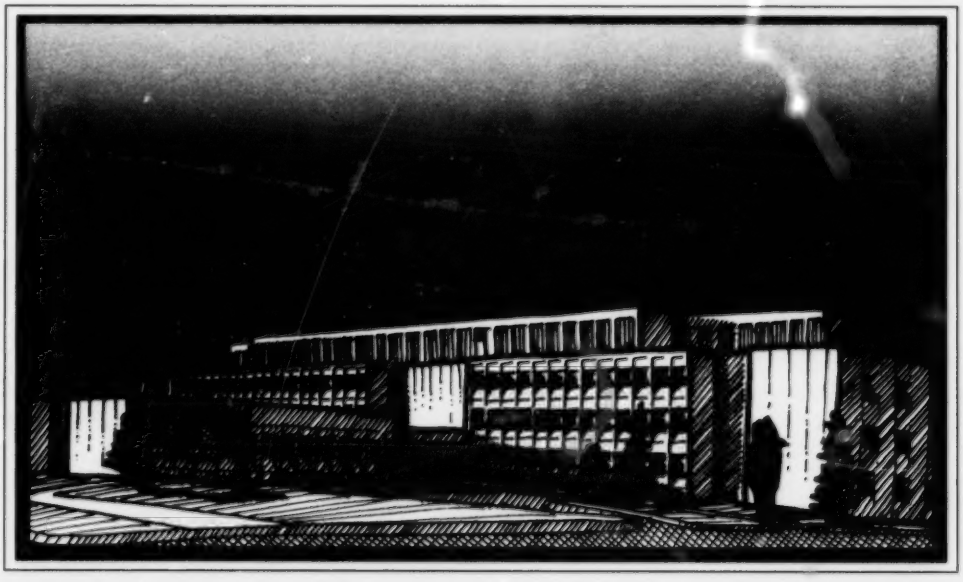
Publications du Centre de foresterie du Nord, 1987-1990

D.A. Leroy

Region du Nord-Ouest • Rapport d'information NOR-X-321F



Forêts Canada Forestry Canada

Forêts Canada, région du Nord–Ouest, représente le gouvernement fédéral en Alberta, en Saskatchewan, au Manitoba et dans les Territoires du Nord–Ouest en ce qui a trait aux recherches forestières, à l'aménagement du territoire et au transfert de technologie. Cet organisme s'intéresse surtout à la recherche et à l'aménagement du territoire en vue d'améliorer l'aménagement forestier afin que tous les Canadiens puissent en profiter aux points de vue économique, social et environnemental. Le bureau de la région du Nord–Ouest est également responsable de la mise en oeuvre des ententes forestières fédérales–provinciales au sein de ces trois provinces et du territoire concerné.

Les activités régionales sont gérées à partir du Centre de foresterie du Nord dont le bureau est à Edmonton (Alberta); on trouve également des bureaux de district à Prince Albert (Saskatchewan) et à Winnipeg (Manitoba). La région du Nord–Ouest correspond à l'une des six régions de Forêts Canada, dont le bureau principal est à Ottawa (Ontario). Elle représente également deux des instituts nationaux de foresterie de ce Ministère.

Forestry Canada's Northwest Region is responsible for fulfilling the federal role in forestry research, regional development, and technology transfer in Alberta, Saskatchewan, Manitoba, and the Northwest Territories. The main objectives are research and regional development in support of improved forest management for the economic, social, and environmental benefit of all Canadians. The Northwest Region also has responsibility for the implementation of federal–provincial forestry agreements within its three provinces and territory.

Regional activities are directed from the Northern Forestry Centre in Edmonton, Alberta, and there are district offices in Prince Albert, Saskatchewan, and Winnipeg, Manitoba. The Northwest Region is one of six regions and two national forestry institutes of Forestry Canada, which has its headquarters in Ottawa, Ontario.

PUBLICATIONS DU CENTRE DE FORESTERIE DU NORD, 1987-1990

D.A. Leroy

RAPPORT D'INFORMATION NOR-X-321F

FORÊTS CANADA
RÉGION DU NORD-OUEST
CENTRE DE FORESTERIE DU NORD
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RÉSUMÉ

Ce document énumère alphabétiquement (par auteur) les publications scientifiques et techniques ainsi que les ouvrages de vulgarisation qui ont été rédigés par le personnel du Centre de foresterie du Nord ou publiés par le Centre entre 1987 et 1990. Un index des sujets est présenté pour les notices principales. On y trouve également à l'annexe une liste des rapports préparés dans le cadre des ententes fédérales-provinciales sur la mise en valeur des ressources forestières signées avec l'Alberta, la Saskatchewan et le Manitoba.

ABSTRACT

Scientific, technical, and interpretive publications written by staff of the Northern Forestry Centre during 1987-90 are listed alphabetically by author. A subject index is provided for the main entries. In addition there is an appendix listing reports prepared under the federal-provincial forestry development agreements for Alberta, Saskatchewan, and Manitoba.

PRÉFACE

Depuis son ouverture en 1970, le Centre de foresterie du Nord a produit une montagne de documentation sur la recherche forestière. Les bibliographies générales antérieures couvrent la recherche effectuée dans l'ancienne région Manitoba-Saskatchewan avant 1968 (Hildahl et collab., 1968), ainsi que les travaux réalisés dans les Prairies et les Territoires du Nord-Ouest de 1968 à 1979 (Dendwick et collab., 1980) et de 1980 à 1986 (Samoil et Turtle, 1988). Dans la dernière de ces listes sont énumérés près de 300 ouvrages publiés par le personnel du Centre entre 1987 et 1990.

Des rapports d'information, des *Forestry Reports*, des *Forest Management Notes* et des revues de programmes, tous publiés par le Centre de foresterie du Nord, ainsi que des articles de revues et de symposiums et des publications diverses, sont classés par ordre alphabétique, selon le nom de leur auteur. Un index thématique permet un renvoi aisé aux noms d'auteurs. De plus, une annexe donne la liste des rapports préparés en vertu de l'Entente auxiliaire Canada-Alberta sur la mise en valeur des ressources forestières, de l'Entente Canada-Saskatchewan sur l'exploitation des ressources forestières et de l'Entente Canada-Manitoba concernant le renouvellement forestier.

La bibliographie a pour but d'aider la recherche et ne doit pas être considérée comme un catalogue pour commander les ouvrages. Beaucoup des publications du Centre qui ne datent que de quelques années sont déjà épuisées. Des photocopies seront donc remises quand il sera possible de le faire. Un nombre limité de copies du matériel publié ailleurs est aussi disponible au Centre de foresterie du Nord, mais, si possible, ces publications doivent être obtenues de l'éditeur même, ou de bibliothèques.

Bibliographique

Dendwick, F.M.; Stevenson, G.R.; Rentz, C.L.; Gorman, J.R., compilers. 1980. Forest research bibliography, 1968-1975, with 1976-1979 supplement (Supplement compiled by F.M. Dendwick and R.M. Waldron). Environ. Can., Can. For. Serv., North. For. Res. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-152.

Hildahl, V.; Pratt, R.; Cambell, A. 1968. Bibliography of forest research. Can. Dep. For. Rural Develop., For. Branch, For. Res.Lab., Winnipeg, Manitoba. Liason Serv. Note MS-L-2.

Samoil, J.K.; Turtle, G.B. 1988. Northern Forestry Centre publications, 1980-86. Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-297.

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L'exclusion de certains produits manufacturés ne signifie pas nécessairement que le ministère des Forêts les rejette, pas plus que leur mention ne sous-entend qu'il les approuve.

A

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Swanson, R.H. 1988d. WRENSS: a model-based procedure for estimating the annual evapotranspiration from forested and partially forested catchments. Natl. Res. Counc. Can., Assoc. Comm. Hydrol., Ottawa, Ontario. Hydrol. Events 13(2):8-9.

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Y

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Zoltai, S.C.; Taylor, S.; Jeglum, J.K.; Mills, G.F.; Johnson, J.D. 1988. Wetlands of boreal Canada. Pages 97-154 *in* Wetlands of Canada. Polyscience Publications Inc., Montreal, Quebec.

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ANNEXE I
RAPPORTS SUR LES ENTENTES DE MISE EN VALEUR DES FORÊTS

Les rapports mentionnés ci-après ont été rédigés par des entrepreneurs privés ou par le personnel du Centre de foresterie du Nord et de ses bureaux régionaux de Prince Albert, en Saskatchewan, et de Winnipeg, au Manitoba, grâce aux fonds de trois ententes fédérales-provinciales de mise en valeur des forêts en vigueur de 1984 à 1989. Le Service canadien des forêts, maintenant Forêts Canada, a administré l'Entente auxiliaire Canada-Alberta sur la mise en valeur des ressources forestières (23 millions de dollars), avec le ministère des Forêts, des Terres et de la Faune de l'Alberta; l'Entente Canada-Saskatchewan sur l'exploitation des ressources forestières (28 millions de dollars), avec le ministère des Parcs, des Loisirs et de la Culture de la province; et l'Entente Canada-Manitoba concernant le renouvellement forestier (27,2 millions de dollars), avec le ministère manitobain des Ressources naturelles.

Alberta

Ci-après sont mentionnés des rapports préparés en vertu de l'Entente Canada-Alberta sur l'exploitation des ressources forestières et les endroits où ils peuvent être obtenus:

Développement régional
Forêts Canada
Région du Nord-Ouest
Centre de foresterie du Nord
5320 - 122 rue
Edmonton (Alberta) T6H 3S5
(403) 435-7282

Alberta Forest Service. 1987. Tree improvement applied research and technology transfer: interim progress report.

Alberta Forest Service. 1990. Tree improvement applied research and technology transfer.

Alberta Research Council. Biotechnology Department. 1989. Biotechnological modification of lignin.

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Alberta Research Council. Industrial Technologies Department. 1987. Aspen vs. black poplar differences. Phase I - waferboard/OSB.

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Amirault, P.A. 1990. Forest pest management and damage appraisal (final report).

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Beck, J.A., Jr.; Anderson, R.G.; Armstrong, G.W.; Farrow, G.H. 1988. Alberta economic timber supply analysis (final report).

Berlyn, R.W. (Forest Engineering Research Institute of Canada). 1990. Trial of a double-drum flail delimber/debarker processing small-diameter frozen timber. Phase II. Size distribution and composition of process flows, chemical pulping trials.

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Byers, G. (Pelican Spruce Mills Ltd.). 1988. On-line system for board product quality control.

Canadian Forestry Service; Alberta Forestry Service. 1987. Aspen quality workshop. Proceedings held February 12, 1987, Edmonton, Alberta.

Canpolar Inc. 1987. Preliminary assessment of impulse radar to detect decay in hardwood.

Cuecorp Ltd. 1989. A technical and economic evaluation of using the WSTIWOOD process to manufacture aspen billiard cues in Alberta.

Cyr, N.; Laidler, J.K. (Alberta Research Council). 1987. Comparison of balsam and aspen poplar trees in Alberta.

D.G. Bell and Associates Inc. 1988. Market study for cement/gypsum bonded particleboard (final report).

Dempster, W.R.; Stevens, N.A. (W.R. Dempster and Associates Ltd.). 1987. Risk management in forest planning.

Econotech Services Ltd. 1987. Laboratory produced CTMP from various blends of aspen, spruce and pine wood furnishes.

EKONO Consultants Ltd. 1987. A business opportunity and market study of value added paper manufacturing in the province of Alberta. Vol. I.

Ellis, T.D.; Fedkenheur, A.W. (Noval Enterprises). 1988. Overwintering container seedlings using underground heat.

Engineering Data Management Inc. 1989. Detection of heart rot voids in trees using stress wave analysis.

Fargey, J. (Western Archrib). 1988. Westlam: glue laminated wooden beams product acceptance and market development.

Fargey, J.; Himmelfarb, D.; Watson, B. (Western Archrib). 1990. Testing of laminated timber crossarms.

Ferguson, N.B., editor (Alberta Forestry, Lands and Wildlife). 1988. Forestry GIS: the next step. Proceedings from the Geographic Information Systems Conference, March 9-11, 1988, Edmonton, Alberta.

Foal Enterprises Inc. 1987. Aspen shingles and shakes in Alberta.

Forintek Canada Corp. 1989. Effect of scarf joints on bending properties of laminated veneer lumber.

Gellner, B., compiler (University of Alberta). 1987. Pacific Rim markets for forest products in the 1990's: economic assessment of demand and supply.

Gibbard, D.A.G. (Alberta Forest Service); Sutherland, B.J. (Canadian Forestry Service). 1987. 1986 site preparation equipment trials in Alberta: Donaren 180D powered disk trencher Sinkkila HMF scarifier.

Gibbon, M.C. (Blue Ridge Limber (1981) Ltd.); Tundak, T.P. (Recom Engineering (1987) Ltd.). 1989. Using density profilometer for quality and consistency measurement in MDF manufacturing.

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Hailey, J.R.; Morris, P.I. (Forintek Canada Corp.). 1987. Application of scanning and imaging techniques to assess decay and wood quality in logs and standing trees.

Hallmark Engineering Ltd.; Woodbridge, Reed and Associates Ltd. 1988. A study of Alberta's secondary forest products manufacturing industry.

Hillman, G.R.; Johnson, J.D.; Takyi, S.K. 1990. The Canada-Alberta Wetlands Drainage and Improvement for Forestry Program.

Himmelfarb, D. (Western Archrib). 1988. Testing of laminated timber joists.

Jasper Millworks Ltd.; Woodland Resource Services Ltd. 1987. Birch supply, lumber potential and cost in Alberta.

Ligna Technologies Ltd. 1987. Report on cement bonded particleboard, its applications and a preliminary assessment of a plant to be located in Alberta.

Maier, G.B.; Darrah, D. (Alberta Forest Service). 1989. Decay levels in mature aspen stands, Whitecourt, Alberta.

Messmer, M.; Percy, M.; Phillips, W.E.; Boylen, D. 1990. An economic analysis of wood supply from private land in Alberta.

Miko, M.M. (University of Alberta). 1987. Alberta aspen vs. black poplar wood quality differences.

Morrison-Knudsen Forest Products Co. Ltd. 1987. Ring flaked maxi-chips: the manufacture, testing and evaluation of composite board made from Alberta woods.

Pfaff, F. (Forintek Canada Corp.). 1988. Status of balsam (black) poplar utilization in waferboard/OSB production (summary report).

Sauder, E.A.; Sinclair, A.W.J. (Forest Engineering Research Institute of Canada). 1989. Trial of a double-drum flail delimber/debarker processing small-diameter frozen timber. Phase I.

Seven S Structures Inc. 1988. Development of the 7S-3000 stressed skin panel building system (detailed report).

Seven S Structures Inc. 1989. Market study on the competitiveness of the Seven-S building system.

Sidhu, S.S.; Feng, J.C. 1990. Environmental impacts of vegetation management by mechanical and chemical (hexazinone) methods including residue chemistry.

Singh, T. 1990. Forest yield predictions: risk modeling and simulation (final report).

Silvacom Ltd. 1988. Shingles and shakes from Alberta jack pine and aspen (a feasibility study).

Silvacom Ltd. 1989. MPC microcomputer PSP catalogue user's manual.

Sivak, B. (Alberta Forest Service). 1987. Biogeoclimatic ecosystem classification of the forestry portion of southwestern Alberta.

Steiner, P.R.; Calve, L.; Clark, M.R.; Shields, J.A. (Forintek Canada Corp.). 1987. Potential for enzymatic lignin-based adhesives: state of the art review.

Steiner, P.R.; Clark, M.R.; Andersen, A.W. (Forintek Canada Corp.). 1988. Refinement and mill trial of a new moisture tolerant plywood adhesive system.

Tekle, T. (TEK Woodworks). 1989. Application of laser technology for the manufacture of children's furniture using Alberta forest products. Phase II. Market survey and analysis.

Thomas, P.R. (Econotech Services Ltd.). 1987. Preparation of pulps from sound Alberta aspen and balsam poplar by various processes.

Tonan Commerce Ltd. 1987. Demand for disposable aspen chopsticks (waribashi).

Vision Smart Inc. 1989. Development of lab model of automated visual lumber grading system.

Wengert, E.M. (Virgina Polytechnic Institute and State University). 1988. A tutorial for grading aspen, birch and other Canadian hardwoods.

Wengert, E.M. (Virgina Polytechnic Institute and State University). 1988. Utilization and marketing opportunities for Alberta aspen solid wood products.

Wong, A. (Arbokem Inc.). 1987. Review of pulping and paper making properties of aspen.

Wong, A.; Szabo, T., editors. 1987. Proceedings of the Workshop on Aspen Pulp, Paper and Chemicals.

Woodbridge, Reed and Associates. 1988. Development opportunities for an Alberta plywood plant.

Manitoba

Ci-après sont mentionnés des rapports préparés en vertu de l'Entente Canada-Manitoba concernant le renouvellement forestier et les endroits où ils peuvent être obtenus:

Bureau de district du Manitoba
Forêts Canada
200, 180 Main Street
Winnipeg (Manitoba) R3C 1A6
(204) 983-4817

Ball, W.J. 1990. Regenerating cut-over rock-ridge sites by seeding and planting conifers on bladed strips, east-central Manitoba.

Ball, W.J.; Dyck, J.R. 1988. Physical characteristics and change in Manitoba container stock 100 days after planting.

Ball, W.J.; Dyck, J.R. 1990. CFS-Abibiti-Price Inc. Pine Falls stock site field trials establishment report.

Bella, I.E. 1988. Spacing effects 20 years after planting three conifer species in Manitoba. For. Manage. Demonstr. Note 12.

Cataldo, N.M. 1989. Release of white spruce from aspen following aerial application of 2,4-D herbicide.

Cataldo, N.M. 1990. Release of white spruce from aspen following aerial application of 2,4-D herbicide. For. Manage. Demonstr. Note 15.

Chrosciewicz, Z. 1988. Burning for black spruce regeneration on a lowland cut-over in southeastern Manitoba. For. Manage. Demonstr. Note 9.

De Franceschi, J.; Steele, T. 1987. Labor productivity for manual tree planting in Manitoba.

De Franceschi, J.; Steele, T. 1987. Machine productivity for disc trenchers, drum choppers, and Bracke scarifiers in Manitoba.

De Franceschi, J. 1988. Labor and machine productivity for pre-commercial thinning, manual tree planting and mechanical site preparation in Manitoba: 1987 data.

Gray, J.A. 1989. Economic implications of Manitoba's forest act, regulations, policies and procedures.

Hirsch, K.G., compiler. 1988. Proceedings of the Fourth Central Region Fire Weather Committee Scientific and Technical Seminar, April 2, 1986.

Hirsch, K.G. 1989. Potential revisions to the fire danger classes in Manitoba.

Hirsch, K.G., compiler. 1990. Proceedings of the Sixth Central Region Fire Weather Committee Scientific and Technical Seminar, April 16, 1989, Winnipeg, Manitoba.

Knapik, K.J.; Russell, W.B.; Riddell, K.M.; Stevens, N. (Pedocan Land Evaluation Ltd.). 1988. Forest ecosystem classification and land system mapping pilot project, Duck Mountain, Manitoba.

Kolabinski, V.S. 1988. Effects of strip cutting, shelterwood cutting and seedbed treatment on growth and regeneration of white spruce, RMNP, Manitoba.

Nanka, A.M. 1989. Guide to jack pine family test plantations in Manitoba and Saskatchewan.

Nanka, A.M., compiler. 1990. Workshop on rearing conifers in containers for tree improvement, January 1988.

Steele, T.W.; Williamson, T.B. 1987. Manitoba's forest industry - 1985.

Walker, N.R. 1987. Barrel and chain scarification promotes successful jack pine regeneration in southeastern Manitoba. For. Manage. Demonstr. Note 6.

Walker, N.R. 1987. Elk and moose browsing prevents the growth of a new trembling aspen/balsam poplar forest. For. Manage. Demonstr. Note 2.

Walker, N.R. 1987. Naturally regenerated jack pine has improved stem form. For. Manage. Demonstr. Note 5.

Walker, N.R. 1987. Post-burn interval does not enhance direct seeding or planting survival of jack pine. For. Mange. Demonstr. Note 4.

Walker, N.R. 1987. Regular spacing increases merchantable volume in white spruce. For. Manage. Demonstr. Note 7.

Walker, N.R. 1988. Effects of hare browsing, competition, and drought on some 1920 and 1922 planting trials of pine and spruce. For. Manage. Demonstr. Note 11.

Walker, N.R. 1988. Experimental seeding in 1920 produces overstocked stands of white spruce; jack pine destroyed by hares. For. Manage. Demonstr. Note 8.

Walker, N.R. 1988. Scarification in 1966 produces densely stocked areas of natural white spruce. For. Manage. Demonstr. Note 10.

Walker, N.R. 1990. Planting conifers in the Spruce Woods, 1904-1979. For. Manage. Demonstr. Note 14.

Walker, N.R.; Cataldo, N.M. 1989. Development of scots pine in west-central Manitoba. For. Manage. Demonstr. Note 13.

Walker, N.R.; Witt, D.R. 1987. White spruce sawlogs produced 68 years after planting. For. Manage. Demonstr. Note 3.

Walker, N.R.; Witt, D.R. 1987. White spruce transplant stock grading increases yields, 59 years after planting. For. Manage. Demonstr. Note 1.

Saskatchewan

Ci-après sont mentionnés des rapports préparés en vertu de l'Entente Canada-Saskatchewan sur l'exploitation des ressources forestières et les endroits où ils peuvent être obtenus:

Bureau de district de la Saskatchewan
Forêts Canada
1288 Central Avenue
Prince Albert (Saskatchewan) S6V 4V8
(306) 953-8544

Loseth, P.; Dye, D.; Sutton, B. 1990. Site index estimation from environmental factors in Saskatchewan.

Saskatchewan Council of Independent Forest Industries. 1988. A directory of secondary wood-using industries in Saskatchewan, 1988.

Saskatchewan Parks, Recreation and Culture; Canadian Forestry Service. 1987. Forest industry development. Brochure.

Saskatchewan Parks, Recreation and Culture; Canadian Forestry Service. 1987. Forest protection. Brochure.

Saskatchewan Parks, Recreation and Culture; Canadian Forestry Service. 1987. Forest research. Brochure.

Saskatchewan Parks, Recreation and Culture; Canadian Forestry Service. 1987. Forever forests. Brochure.

Saskatchewan Parks, Recreation and Culture; Canadian Forestry Service. 1987. Fuelwood. Brochure.

Saskatchewan Parks, Recreation and Culture; Canadian Forestry Service. 1987. Technology in the forest. Brochure.

Saskatchewan Parks, Recreation and Culture; Canadian Forestry Service. 1987. Timber management. Brochure.

INDEX DE SUJETS

Dans l'index de sujets qui suit, les principaux sujets des recherches effectuées au Centre de foresterie du Nord de 1987 à 1990 sont classés en ordre alphabétique. Un grand nombre de ces sujets ont été subdivisés en des catégories plus spécifiques. Pour chacun des sujets ou chacune des catégories, les auteurs sont classés en ordre alphabétique et les citations, en ordre chronologique. Les sujets et les catégories sont les suivants:

Peuplier faux-tremble et peuplier
Biomasse et ENFOR (Programme de l'énergie de la forêt)
Classification biophysique
  Classification et utilisation des terres
  Sols
Épinette noire
Climat
Maladies
Économie
Incendie
  Écologie et comportement
  Prévision et détection
  Gestion
  Brûlage dirigé
  Suppression
Industrie et produits forestiers
Inventaire forestier
Croissance et volume
  Agents bénéfiques
  Fertilisation
  Modèles
  Accroissement du peuplement forestier
  Éclaircie
Insectes
Pin gris
Pin tordu
Programme du Centre de foresterie du Nord
Pépinières
Régénération
  Artificielle
  Naturelle
Télédétection
Préparation des emplacements
Substances toxiques
  Air
  Sol, eau, plantes
Gestion de la végétation
Bassins hydrographiques et hydrologie
Épinette blanche

Il est à noter que les rapports découlant des trois ententes de mise en valeur des forêts (énumérés à l'annexe I) ne figurent pas dans cet index.

PEUPLIER FAUX-TREMBLE ET PEUPLIER (*Populus tremuloides* Michx. et *P. balsamifera* L.)

Alexander and Sando 1989
Brace and Bella 1988
Corns 1988b, 1989a
De Franceschi and Bell 1990
Feng, Feng, and Sidhu 1989
Feng and Sidhu 1989
Feng, Sidhu, Feng, and Servant 1989
Grewal 1988
Grewal, Apps, and MacIsaac 1989, 1990
Hiratsuka, Gibbard, Bakowsky, and Maier 1990
Navratil and Bella 1989
Navratil, Bella, and Peterson 1990
Ondro 1989
Ondro and Bella 1988
Peterson and Apps 1990
Prasad and Feng 1990
Samoil 1988
Sando and Alexander 1990
Singh 1989
Volney 1988b
Yang 1989

BIOMASSE ET ENFOR (Programme de l'énergie de la forêt)

Delisle and Woodard 1988
Gonzalez 1990
Grewal 1988
Grewal, Apps, and MacIsaac 1989, 1990
Jozsa and Powell 1987
Kimmins, Caza, Messier, Karakatsoulis, Scoullar, and Apps 1990
Kimmins, Kurz, Scoullar, Apps, and Comeau 1990
Kimmins, Scoullar, and Apps 1990
Kimmins, Scoullar, Apps, and Kurz 1990
Kimmins, Scoullar, Apps, Kurz, and Comeau 1990
Kimmins, Scoullar, Comeau, Kurz, Apps, and Chatarpaul 1988
Moore and Chow 1987
Ondro 1989
Peterson and Apps 1990
Reid, Collins, Silviba, and De Franceschi 1990

Sachs, Kimmins, and Apps 1990
Singh, 1987a-c, 1988b
Singh and Kostecky 1987
Woodard and Delisle 1987

CLASSIFICATION BIOPHYSIQUE

Classification et utilisation des terres

Brace and Bella 1988
Cody, Scotter, and Zoltai 1989
Corns 1988b, 1989a
Hillman 1987, 1988a
Johnson 1987, 1988, 1989a-c
Samoil 1988
Schunke and Zoltai 1988
Tarnocai and Zoltai 1988
Zoltai 1987, 1988c, 1989
Zoltai, Holroyd, and Scotter 1987
Zoltai and Johnson 1988
Zoltai, Tarnocai, Mills, and Veldhuis 1988
Zoltai, Taylor, Jeglum, Mills, and Johnson 1988
Zoltai and Vitt 1990

Sols

Ali, Zoltai, and Radford 1988
Baker 1987
Blenis, Mugala, and Hiratsuka 1989
Corns 1988a, b, 1989b
Feng 1987
Feng and Navratil 1990
Feng, Sidhu, Feng, and Servant 1989
Feng and Thompson 1989, 1990
Hillman 1987, 1988a
Kalra and Maynard 1990
Kalra, Maynard, and Radford 1989
Maynard, Kalra, and Radford 1987
Prasad and Feng 1990
Roy, Konar, Charles, Feng, Prasad, and Campbell 1989
Samoil 1988
Schunke and Zoltai 1988
Zoltai 1989
Zoltai and Johnson 1988
Zoltai and Vitt 1990

ÉPINETTE NOIRE
(*Picea mariana* [Mill.] B.S.P.)

Alexander and Lanoville 1989
Chrosciewicz 1990a

CLIMAT

Bella and Navratil 1987
Bernier 1987c, 1988, 1990
Dymock and Dendwick 1989
Hiratsuka, Blenis, and Chang 1987
Jozsa and Powell 1987
Singh 1988a, c, 1989, 1990
Singh and Higginbotham 1988
Swanson 1988b, 1989
Volney 1988b
Wheaton and Singh 1988
Wheaton, Singh, Dempster, Higginbotham, Thorpe, Van Kooten, and Taylor 1987
Zoltai 1988b
Zoltai and Vitt 1990

MALADIES

Allen, Blenis, and Hiratsuka 1988, 1990a, b
Bella and Navratil 1987, 1988
Blenis, Hiratsuka, and Mallett 1987
Blenis, Mugala, and Hiratsuka 1989
Cerezke and Emond 1989
Chang, Blenis, and Hiratsuka 1989
Emond and Cerezke 1989, 1990
Hiratsuka 1987, 1988, 1990
Hiratsuka, Blenis, and Chang 1987
Hiratsuka, Gibbard, Bakowsky, and Maier 1990
Hiratsuka, Powell, and Van Sickle 1988
Hopkin, Blenis, and Hiratsuka 1989
Hopkin, Mallett, and Blenis 1989
Hopkin, Reid, Hiratsuka, and Allen 1988
Mallett 1989a-c, 1990
Mallett and Harrison 1988
Mallett and Hiratsuka 1988
Mallett, Hopkin, and Blenis 1989
Mallett and Volney 1990
Mugula, Blenis, Hiratsuka, and Mallett 1989
Sigler, Yamaoka, and Hiratsuka 1990
Singh and Sidhu 1989
Volney 1988b, 1990
Yamaoka, Swanson, and Hiratsuka 1990

ÉCONOMIE

Bohning 1987a, b
De Franceschi and Bell 1990
De Franceschi and Boylen 1987
Dendwick and Dymock 1989
Kimmins, Scoullar, Apps, Kurz, and Comeau 1990
Kimmins, Scoullar, Comeau, Kurz, Apps, and Chatarpaul 1988
Kuhnke, Smyth, Campbell, Lapointe, and Martel 1990

Ondro 1989
Ondro and Bella 1988
Ondro and Constantino 1990
Samoil 1987, 1988
Samoil and Boughton 1987
Steele, Boylen, and Baumgartner 1988
Steele and Williamson 1989
Wheaton and Singh 1988
Wheaton, Singh, Dempster, Higginbotham, Thorpe, Van Kooten, and Taylor 1987

INCENDIE

Écologie et comportement

Alexander 1988
Alexander and Andrews 1989
Alexander and De Groot 1988
Alexander, De Groot, Hirsch, and Lanoville 1989
Alexander and Lanoville 1987, 1989
Alexander and Quintilio 1990
Alexander and Sando 1989
Chrosciewicz 1989a, b
De Groot 1987, 1988, 1989
Delisle and Hall 1987
Delisle and Woodard 1988
Hirsch 1988a, b, 1989a, b
Hirsch and Flannigan 1990
McAlpine 1987a, b, 1989
McAlpine and Xanthopoulos 1989
McRae, Stocks, and Ogilvie 1989
Ogilvie 1989
Ogilvie and Fitch 1989
Sandro and Alexander 1990
Stocks, Lawson, Alexander, Van Wagner, McAlpine, Lynham, and Dubé 1989
Woodard and Delisle 1987

Prévision et détection

Anderson and Charlton 1990
Ogilvie 1989
Ogilvie and Young 1989
Pickford 1987, 1990
Stocks, Lawson, Alexander, Van Wagner, McAlpine, Lynham, and Dubé 1989

Gestion

Alexander and Bisgrove 1990
Alexander and Lanoville 1987
Alexander and Quintilio 1990
De Groot 1988, 1989
Hirsch 1988b, 1989a, b
Hirsch and Flannigan 1990
Lee 1990
Lee and Anderson 1989
Lee and Pickford 1987
Merrill and Alexander 1987
Ogilvie and Fitch 1989

Brûlage dirigé

Chrosciewicz 1987, 1988a, b, 1990a
McRae, Stocks, and Ogilvie 1989
Ogilvie and Fitch 1989

Suppression

Lee 1990
Lee and Anderson 1989
Lee and Pickford 1987
Pickford 1987

INDUSTRIE ET PRODUITS FORESTIERS

Bohning 1987a, b
Brace 1990
De Franceschi and Bell 1990
Heit and Bohning 1988
Samoil 1987, 1988
Samoil and Boughton 1987
Steele, Boylen, and Baumgartner 1988
Steele and Williamson 1989

INVENTAIRE FORESTIER

Brace and Bella 1988
Dams, Hall, and Ahern 1990
Hall, Kruger, Scheffer, Titus, and Moore 1989
Hall, Morton, and Nesby 1989
Kuhnke 1989a-c
Moore and Chow 1987
Moore and Polzin 1990
Samoil 1988

CROISSANCE ET VOLUME

Agents bénéfiques

Chakravarty and Sidhu 1987a, b
Navratil 1988

Fertilisation

Baker 1987
Edwards 1987, 1989a, b, d
Hillman 1989

Ondro and Constantino 1990
Yang, Wang, and Micko 1988

Modèles

Apps, Kurz, Kimmins, and Scoullar 1988
Apps and MacIsaac 1990
Boughton and Samoil 1990
Brace and Bella 1988
Cieszewski and Bella 1989
Grewal, Apps, and MacIsaac 1989, 1990
Kimmins, Caza, Messier, Karakatsoulis, Scoullar, and Apps 1990
Kimmins, Kurz, Scoullar, Apps, and Comeau 1990
Kimmins, Scoullar, and Apps 1990
Kimmins, Scoullar, Apps, and Kurz 1990
Kimmins, Scoullar, Apps, Kurz, and Comeau 1990
Kimmins, Scoullar, Comeau, Kurz, Apps, and Chatarpaul 1988
Kurz, Apps, and Chan 1987
MacIsaac, Apps, and Kurz 1990
Sachs, Kimmins, and Apps 1990
Samoil 1988
Singh 1987a-c, 1988b, d, 1989
Singh and Kostecky 1987
Swanson 1989
Woodard and Delisle 1987
Zakrzewski and Bella 1988

Accroissement du peuplement forestier

Bella and Navratil 1987, 1988
Bernier 1987b, 1990
Brace and Bella 1988
Corns 1988a, 1989b
Kuhnke 1989a-c
Radvanyi 1987
Samoil 1988
Walker and Ball 1987
Yang 1989
Yang, Wang, and Micko 1988
Zakrzewski and Bella 1988

Éclaircie

De Franceschi and Boylen 1987
Bella 1990

INSECTES

Amirault 1989
Cerezke 1989
Cerezke and Emond 1989
Emond and Cerezke 1989, 1990
Emond and Wong 1987
Hamilton and Langor 1987
Ives and Wong 1988
Langor 1987, 1989a, b
Langor and Raske 1987a, b, 1988a, b, 1989a, b
Langor, Spence, and Pohl 1990
Lewis, Volney, and Milstead 1987
Mallett 1989b, c
Mallett and Volney 1990
Milstead, Volney, and Lewis 1987
Sigler, Yamaoka, and Hiratsuka 1990
Volney 1988a, b, 1989, 1990
Wu and Wong 1987
Yamaoka, Swanson, and Hiratsuka 1990

PIN GRIS
(*Pinus banksiana* Lamb.)

Alexander and De Groot 1988
Chapman and Klein 1989
Chrosciewicz 1987, 1988a, b, 1989a, b, 1990b
Dymock and Dendwick 1987
Edwards 1987
Harvey 1987a
Hiratsuka, Powell, and Van Sickle 1988
Khan and Malhotra 1987
Klein 1989, 1990
Mallett and Volney 1990
Volney 1988a

PIN TORDU
(*Pinus contorta* Dougl. var. *latifolia* Engelm.)

Allen, Blenis, and Hiratsuka 1990a, b
Bella 1990
Bella and Navratil 1987, 1988
Bernier 1987b, c, 1990
Blenis, Mugala, and Hiratsuka 1989
Chakravarty and Sidhu 1987b
Cieszewski and Bella 1989
De Franceschi and Boylen 1987
Dymock 1988
Dymock and Dendwick 1987
Edwards 1987, 1989d
Grewal 1987
Hiratsuka, Powell, and Van Sickle 1988
Hopkin, Reid, Hiratsuka, and Allen 1988
Kennedy and Addison 1987
Kennedy, Addison, and Maynard 1988
Mallett and Hiratsuka 1988
Maynard 1990
Mugala, Blenis, Hiratsuka, and Mallett 1989
Ondro and Constantino 1990
Sidhu and Chakravarty 1990
Sigler, Yamaoka, and Hiratsuka 1990
Suzuki, Hiratsuka, and Ayer 1987

Wu and Wong 1987
Yamaoka, Swanson, and Hiratsuka 1990
Yang, Wang, and Micko 1988
Zakrzewski and Bella 1988

PROGRAMME DU CENTRE DE FORESTERIE DU NORD

Ascher 1987, 1988, 1989, 1990
Forêts Canada 1990a, b
Forestry Canada 1990a-c
Northern Forestry Centre 1987, 1988
Samoil and Turtle 1988

PÉPINIÈRES

Dendwick and Dymock 1989
Dymock 1988
Dymock and Dendwick 1987, 1989
Edwards 1987, 1989a-d, 1990
Harvey 1987a-c

RÉGÉNÉRATION

Artificielle

Bernier 1987c
Chapman and Klein 1989
Chrosciewicz 1987, 1988a, 1990a, b
Corns 1988a, 1989b
Drouin 1989
Dymock 1988
Dymock and Dendwick 1987, 1989
Edwards 1987, 1989a, b, d, 1990
Klein 1988, 1989, 1990
Kuhnke 1989a-c
Walker and Ball 1987

Naturelle

Bernier 1987b, 1990
Brace and Bella 1988
Chrosciewicz 1988b
Kuhnke 1989a-c
Navratil and Bella 1989
Navratil, Bella, and Peterson 1990
Samoil 1988

TÉLÉDÉTECTION

Bernier 1987a
Drieman, Ahern, and Corns 1989
Hall and Hiscocks 1990
Hall and Kruger 1990
Hall, Kruger, Scheffer, Titus, and Moore 1989
Hall, Morton, and Nesby 1989
Kennedy and Addison 1987
Kruger and Hall 1990
Moore and Chow 1987
Moore and Polzin 1990
Spencer and Hall 1988

PRÉPARATION DES EMPLACEMENTS

Ball 1990
Chrosciewicz 1987, 1988a, b, 1990b
Corns, 1988a, 1989b
Drouin 1989
Feng and Feng 1988
Feng, Feng, and Sidhu 1989
Feng and Sidhu 1989
Feng, Sidhu, Feng, and Servant 1989
Feng and Thompson 1989, 1990
Feng, Thompson, and Reynolds 1989, 1990
Kuhnke 1989a-c
Payne, Feng, and Reynolds 1989, 1990
Prasad and Feng 1990
Roy, Konar, Charles, Feng, Prasad, and Campbell 1989

SUBSTANCES TOXIQUES

Air

Kennedy and Addison 1987
Kennedy, Addison, and Maynard 1988
Khan and Malhotra 1987
Maynard 1990
Maynard and Addison 1987

Sol, eau, plantes

Ali, Zoltai, and Radford 1988
Apps, Duke, and Stephens-Newsham 1988
Apps, Duke, and Turner 1987
Chakravarty and Sidhu 1987a, b
Drouin 1989
Feng 1987
Feng, Ehrentraut, and Drew 1989
Feng and Feng 1988
Feng, Feng, and Sidhu 1989
Feng and Navratil 1990
Feng and Sidhu 1989
Feng, Sidhu, Feng, and Servant 1989
Feng, Stornes, and Rogers 1988
Feng and Thompson 1989, 1990
Feng, Thompson, and Reynolds 1989, 1990
Kreutzweiser, Kingsbury, and Feng 1989

Maynard 1990
Maynard, Kalra, and Radford 1987
Payne, Feng, and Reynolds 1989, 1990
Prasad and Feng 1990
Roy, Konar, Charles, Feng, Prasad, and Campbell 1989
Sidhu and Chakravarty 1990
Zoltai 1988a

GESTION DE LA VÉGÉTATION

Brace 1987
Chakravary and Sidhu 1987a, b
De Franceschi and Bell 1990
Drouin 1989
Feng 1987
Feng, Ehrentraut, and Drew 1989
Feng and Feng 1988
Feng, Feng, and Sidhu 1989
Feng and Navratil 1990
Feng and Sidhu 1989
Feng, Sidhu, Feng, and Servant 1989
Feng, Stornes, and Rogers 1988
Harvey 1987c
Hillman 1987, 1988a, 1989
Kimmins, Caza, Messier, Karakatsoulis, Scoullar, and Apps 1990
Navratil and Bella 1989
Navratil, Bella, and Peterson 1990
Payne, Feng, and Reynolds 1989, 1990
Peterson and Apps 1990
Prasad and Feng 1990
Roy, Konar, Charles, Feng, Prasad, and Campbell 1989
Sidhu and Chakravarty 1990

BASSINS HYDROGRAPHIQUES ET HYDROLOGIE

Bernier 1987a-c, 1990
Feng and Thompson 1989, 1990
Feng, Thompson, and Reynolds 1989, 1990
Hillman 1987, 1988a, b, 1989
Hillman and Verschuren 1988
Johnson 1987, 1988
Kreutzweiser, Kingsbury, and Feng 1989
Payne, Feng, and Reynolds 1989, 1990
Singh 1989, 1990
Swanson 1987, 1988a-d, 1989
Swanson, Dickinson, and Young 1989a, b
Swanson, Hume, and Morton 1989
Tarnocai and Zoltai 1988
Zoltai 1987, 1988c, 1989
Zoltai and Johnson 1988
Zoltai, Tarnocai, Mills, and Veldhuis 1988
Zoltai, Taylor, Jeglum, Mills, and Johnson 1988
Zoltai and Vitt 1990

ÉPINETTE BLANCHE
(*Picea glauca* [Moench] Voss)

Ball 1990
Brace and Bella 1988
Chakravarty and Sidhu 1987b
Chrosciewicz 1988a
Corns 1988a, b, 1989b
De Franceschi and Bell 1990
Dymock and Dendwick 1987
Edwards 1987
Feng, Feng, and Sidhu 1989
Feng and Sidhu 1989
Feng, Sidhu, Feng, and Servant 1989
Harvey 1987a
Jozsa and Powell 1987
Mugala, Blenis, Hiratsuka, and Mallett 1989
Samoil 1988
Sidhu and Chakravarty 1990
Volney 1988b
Yang 1989